

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name Tung VO Examiner #: 7476 Date: 11/26/05
 Art Unit: 2613 Phone Number 301-5874 Serial Number: 091691857
 Location: Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

US 5,825-421

STAFF USE ONLY

Searcher: KES

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Type of Search

Sequence (#) _____

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Vendors and cost where applicable

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Sequence Systems _____

WWW/Internet _____

Other (specify) _____

Query/Command : prt max legalall

1/1 PLUSPAT - ©QUESTEL-ORBIT - image

PN -  US5825421 A 19981020 [US5825421]

TI - (A) Video coding method and decoding method and devices thereof

PA - (A) MATSUSHITA ELECTRIC IND CO LTD (JP)

PA0 - Matsushita Electronic Industrial Company, Ltd., Osaka [JP]

IN - (A) TAN THIOW KENG (SG)

AP - US77357496 19961227 [1996US-0773574]

PR - JP34060995 19951227 [1995JP-0340609]

IC - (A) H04N-007/32

EC - G06T-009/00P
H04N-007/26M2
H04N-007/46E

PCL - ORIGINAL (O) : 375240150; CROSS-REFERENCE (X) : 348699000

DT - Corresponding document

CT - US5136378; US5144426; US5150432; US5155593; US5267334; US5293229; US5315326; US5361105; US5386234; US5412428; US5481310
Secretariat: Japan (JISC), "Coded Representation of Audio, Picture, Multimedia and Hypermedia Information," ISO/IEC JTC 1/SC 29 N 313, dated May 20, 1993.

"Recommendation H.261--Video Codec for Audiovisual Services at px 64 kbit/s", International Telegraph and Telephone Consultative Committee, Study Group XV--Report R 37, Aug. 1990.

STG - (A) United States patent

AB - A new predictive coding is used to increase the temporal frame rate and coding efficiency without introducing excessive delay. Currently the motion vector for the blocks in the bi-directionally predicted frame is derived from the motion vector of the corresponding block in the forward predicted frame using a linear motion model. This however is not effective when the motion in the image sequence is not linear. The efficiency of this method can be further improved if a non-linear motion model is used. In this model a delta motion vector is added to or subtracted from the derived forward and backward motion vector, respectively. The encoder performs an additional search to determine if there is a need for the delta motion vector. The presence of this delta motion vector in the transmitted bitstream is signalled to the decoder which then takes the appropriate action to make use of the delta motion vector to derive the effective forward and backward motion vectors for the bi-directionally predicted block.

1/1 LGST - ©EPO

PN -  US5825421 A 19981020 [US5825421]

AP - US77357496 19961227 [1996US-0773574]

ACT - 19970715 US/AS02-A
ASSIGNMENT OF ASSIGNEE'S INTEREST

OWNER: MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. 1006, OAZ;
EFFECTIVE DATE: 19970303

19970715 US/AS02-A
ASSIGNMENT OF ASSIGNOR'S INTEREST
OWNER: TAN, THIOW KENG; EFFECTIVE DATE: 19970303

19990713 US/CC-A
CERTIFICATE OF CORRECTION

20010306 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20001018

20010313 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20001018

UP - 2003-22

1/1 CRXX - ©CLAIMS/RRX

PN -  5,825,421 A 19981020 [US5825421]
PA - Matsushita Electric Industrial Co Ltd JP
ACT - 20001018 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20010306
REISSUE REQUEST NUMBER: 09/691857
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2613

Reissue Patent Number:

20001018 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20010313
REISSUE REQUEST NUMBER: 09/691858
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2613

Reissue Patent Number:

Search statement 2

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5825421

<=1> GET 1st DRAWING SHEET OF 6

October 20, 1998

LEXIS-NEXIS
Library: PATENTS
File: ALL

Video coding method and decoding method and devices thereof

REISSUE: Reissue Application filed Oct. 18, 2000 (O.G. Mar. 13, 2001) Ex. Gp.: 2613; Re. S.N. 09/691,858 Reissue Application filed Oct. 18, 2000 (O.G. Mar. 6, 2001) Ex. Gp.: 2613; Re. S.N. 09/691,857, (O.G. March 13, 2001)

APPL-NO: 773574 (08)

FILED-DATE: December 27, 1996

GRANTED-DATE: October 20, 1998

CORE TERMS: vector, module, delta, sub, forward, prediction, predicted, temporal, coding, coefficients ...

5,825,421 OR 5825421

LEXIS-NEXIS
Library: PATENTS
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File: JNLS

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